AMERICAN UNIVERSITY of Beirut OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

QC
990
.L4
M6
1961

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

January - 1961

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WEATHER BUREAU

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JANUARY 1961
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.4	60.0	61.0	60.8	18.7	12.6	15.5	18.0	13.0	15.5
2	60.7	60.7	63.0	61.5	17.0	13.5	15.0	16.5	15.0	15.5
3	65.4	64.4	65.3	65.0	18.8	14.0	15.4	17.4	14.5	15.8
4	64.0	61.8	61.3	62.4	18.3	12.7	14.7	17.0	16.0	15.9
5	63.8	64.6	66.6	65.0	19.0	13.0	14.6	16.8	13.7	15.0
6	68.6	67.6	68.2	68.1	18.6	14.0	13.9	16.8	15.0	15.2
7	66.4	64.1	64.0	64.8	20.2	14.1	15.0	17.5	15.2	15.9
8	64.0	62.9	62.7	63.2	20.9	14.6	16.0	18.5	16.0	16.8
9	61.5	58.7	59.2	59.8	19.4	9.8	15.4	18.2	16.0	16.5
10	60.9	60.3	61.3	60.8	16.7	11.5	11.3	15.2	15.2	13.9
11	63.3	62.7	64.7	63.6	15.5	11.5	14.7	13.2	12.0	13.3
12	67.4	66.7	67.7	67.3	15.9	12.2	13.2	15.2	15.0	14.5
13	67.6	66.3	66.3	66.7	18.1	12.3	13.6	16.8	14.0	14.8
14	65.9	64.2	63.5	64.5	18.9	12.0	13.6	16.5	14.5	14.9
15	64.4	64.3	65.5	64.7	16.0	10.1	12.0	12.7	13.0	12.6
16	66.4	64.6	63.0	64.7	15.3	12.6	12.5	14.2	13.2	13.3
17	59.5	58.4	60.7	59.5	20.0	13.4	14.6	19.2	16.0	16.6
18	61.2	60.1	60.8	60.8	17.3	12.0	14.1	16.4	13.5	14.7
19	59.7	57.0	56.1	57.6	15.7	12.3	13.7	13.6	13.0	13.4
20	57.6	57.6	59.2	58.1	13.9	9.0	13.0	12.0	11.3	12.1
21	62.5	64.5	66.7	64.6	12.1	5.5	10.5	7.7	7.0	8.4
22	68.6	68.5	68.7	68.6	12.5	8.5	9.5	11.0	9.0	9.8
23	67.6	66.6	67.4	67.2	14.1	9.8	10.5	13.4	11.0	11.6
24	67.6	65.4	64.1	65.7	16.0	11.4	11.3	15.1	14.5	13.6
25	60.2	56.6	56.5	57.8	19.5	12.0	14.8	16.9	16.5	16.1
26	59.9	60.6	63.1	61.2	16.6	11.1	12.4	14.3	12.5	13.1
27	65.0	64.7	64.9	64.9	18.5	13.6	15.3	17.0	14.5	15.6
28	65.1	63.5	63.6	64.1	19.7	13.6	14.7	17.7	15.0	15.8
29	63.3	61.3	60.9	61.8	17.5	12.1	15.0	16.5	16.0	15.8
30	62.1	62.4	62.7	62.4	19.1	12.5	15.0	15.7	14.0	14.9
31	62.1	59.8	59.0	60.3	17.1	12.6	14.7	15.9	14.0	14.9
	63.67	62.61	63.15	63.14	17.32	11.93	13.72	15.58	13.84	14.38

Bnrometer, range 768.7 mm — 756.1 mm
» » 71-yrs. average 763.18 mm.
Thermometer, range 20.9 °C — 5.5 °C
« » 82-yrs. average 13.4 °C
Rain. total for month 163.38 mm
» » 82-yrs. average for month 191.3 mm
« » total from Sept. 1st. 468.83 mm
« » 82-yrs. average from Sept. 1st. 566.60 mm

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METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8 30	14 30	20 30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m. m.
1	10.3	12.0	8.3	10.2	58	58	56	57	0.9	203	0.22
2	10.1	10.5	12.3	11.0	59	55	72	62	5.1	193	0.22
3	11.2	12.1	10.5	11.3	64	60	63	62	8.2	27	
4	10.4	10.7	8.1	9.7	62	55	44	54	7.9	92	
5	11.0	11.9	12.8	11.9	66	62	82	70	6.3	47	8.73
6	10.7	11.5	9.9	10.7	68	60	58	62	8.3	43	
7	9.6	12.2	10.6	10.8	56	60	61	59	7.0	37	
8	7.3	12.4	7.2	9.0	43	58	38	46	8.3	55	
9	8.6	12.9	11.8	11.1	49	62	65	59	8.4	100	1.02
10	11.7	11.5	11.5	11.6	87	66	66	73	0.0	98	16.77
11	13.0	12.1	11.4	12.2	79	80	81	80	0.2	129	24.55
12	10.6	10.8	10.2	10.5	69	62	60	64	8.6	185	0.57
13	8.8	10.5	10.0	9.8	57	55	62	58	8.6	66	
14	9.8	11.8	11.2	10.9	63	62	68	64	8.2	121	
15	8.2	6.1	7.5	7.3	59	43	51	51	7.0	312	2.20
16	10.3	10.7	10.8	10.6	70	65	70	68	3.7	43	
17	11.0	14.0	15.2	13.4	66	63	84	71	4.0	127	0.60
18	13.8	13.4	13.6	13.6	86	71	88	82	3.5	113	17.20
19	13.1	13.7	13.5	13.4	84	89	91	88	0.8	126	26.30
20	11.0	10.5	9.0	10.2	72	74	66	71	0.6	322	6.20
21	9.3	9.4	7.5	8.7	72	91	78	80	0.0	454	8.66
22	8.1	5.8	6.0	6.6	67	46	53	55	7.9	27	4.10
23	7.0	8.6	9.1	8.2	56	56	69	60	5.1	124	0.50
24	8.6	9.3	6.3	8.1	64	54	38	52	7.9	114	
25	7.4	9.5	12.3	9.7	45	49	65	53	3.0	183	
26	12.3	13.3	13.8	13.1	85	82	95	87	0.0	146	40.24
27	12.9	14.3	13.7	13.6	74	74	83	77	1.6	130	3.60
28	12.7	13.9	12.4	13.0	76	69	73	73	5.6	27	
29	10.9	11.6	13.0	11.8	64	61	71	65	3.2	55	
30	10.2	12.3	12.4	11.6	60	69	78	69	5.5	95	1.70
31	11.4	10.6	10.8	10.9	69	59	68	65	7.8	51	
	10.36	11.29	10.73	10.79	66.1	63.5	67.6	65.7	4.94	124.03	5.27

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric date from readinge of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above groend 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20.30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

JANUARY 1961

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	7st-cu	8cu-st	0	5.0	2sw	1sw	1sw	light	
2	10cu-st	4cu	7cu-st	7.0	1sw	3nw	2nw	,,	
3	2cu	4cu	2cu	2.7	1s	2sw	1sw	,,	Tr. a.m.
4	7ci	0	8ci	5.0	1e	3ne	2ne	,,	good visibility
5	8ci-st	9st-ci	0	5.7	2sw	2ne	1ne	,,	
6	0	0	0	0.0	2e	3ne	1ne	light	
7	8ci	3ci	0	3.7	1s	1sw	1sw	,,	
8	0	0	0	0.0	1sw	2ne	1ne	,,	
9	0	0	10cu-ni	3.3	1w	3ne	2ne	,,	
10	10st	10st	10cu-st	10.0	2s	3sw	3sw	,,	snow on mountains
11	10st	10st-ni	8cu-st	9.3	3n	3s	2sw	light	thunder; at 11:00a.m
12	0	3cu-st	0	1.0	3e	4ne	2ne	,,	
13	1cu	6cu-st	0	2.3	2e	2nw	1ne	,,	
14	4st	4cu-st	7cu-st	5.0	2e	2sw	1sw	,,	
15	8cu-st	3cu-st	0	3.7	4sw	3sw	2sw	slight	
16	10ci	10st	7st-ci	9.0	2w	2e	1sw	light	
17	10st	9st	7cu-st	8.7	1e	5sw	3sw	,,	
18	9cu-st	7cu-st	10cu-ni	8.7	3s	3sw	2sw	,,	
19	10ci	10ni	10ni	10.0	1s	2s	1sw	,,	
20	10st	10st	10cu-st	10.0	5nw	6w	3sw	slight	hail ; at night
21	10st-ni	10st-ni	7cu-st	9.0	6sw	3ne	2ne	slight	
22	5cu-st	3cu	2ci	3.3	2se	2nw	1ne	,,	lunar hallow
23	8cu-st	3cu-st	3ci	4.7	2s	2sw	3sw	light	
24	1ci	10ci	0	3.7	2e	3ne	3ne	,,	
25	10st-ci	10st-ci	7cu-st	9.0	3e	2ne	2ne	,,	Tr; p.m.
26	10cu-ni	10st	10st-ni	10.0	3w	4sw	1sw	light	lightning thunder a.m
27	9st-ci	10st	0	6.3	2sw	3sw	1sw	,,	Tr; p.m.
28	10cu-st	8st	3cu	7.0	2sw	1ne	1ne	,,	
29	7st-ci	9st	10st	8 7	1ne	1ne	1ne	,,	
30	9cu-st	7st-ci	0	5.3	2s	3ne	1ne	,,	
31	6cu-st	7cu-st	5ci	6.0	2s	3nw	1ne	,,	
				5.91					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D = dew
W = strong wind ; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	1	8	1	8	8	3	1	0	31
14:30	0	12	1	0	2	11	1	4	0	31
20:30	0	15	0	0	0	15	0	1	0	31
Total	1	28	9	1	10	34	4	6	0	93

Number of days with rain 18, fog 0, Thunderstorms 0, gale 0

71-yrs. average number of days with rain during month 15.67